

Fig. 1(a)

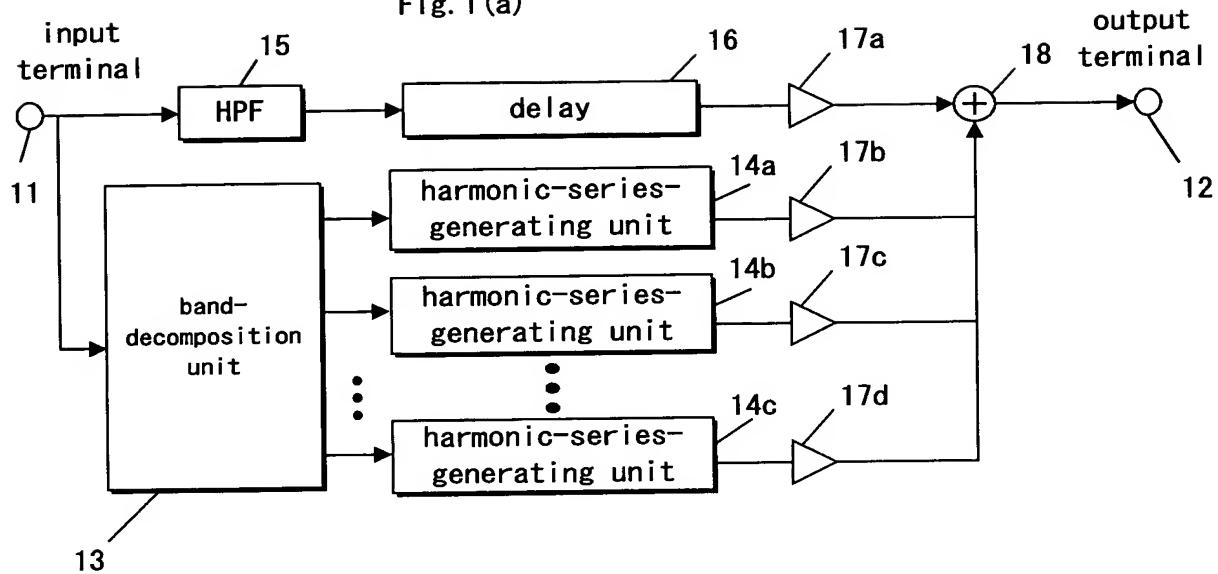


Fig. 1(b)

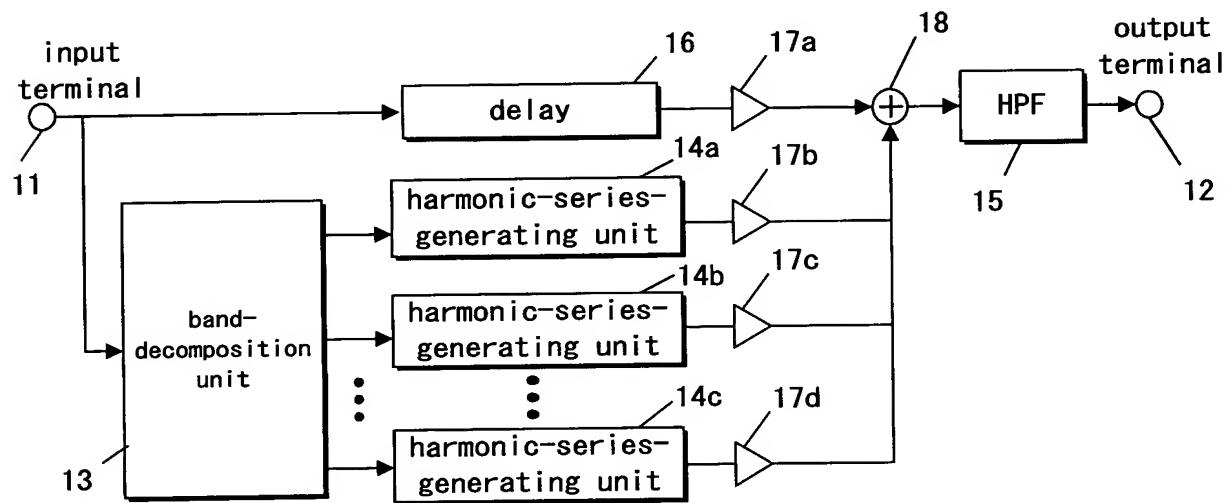


Fig. 1(c)

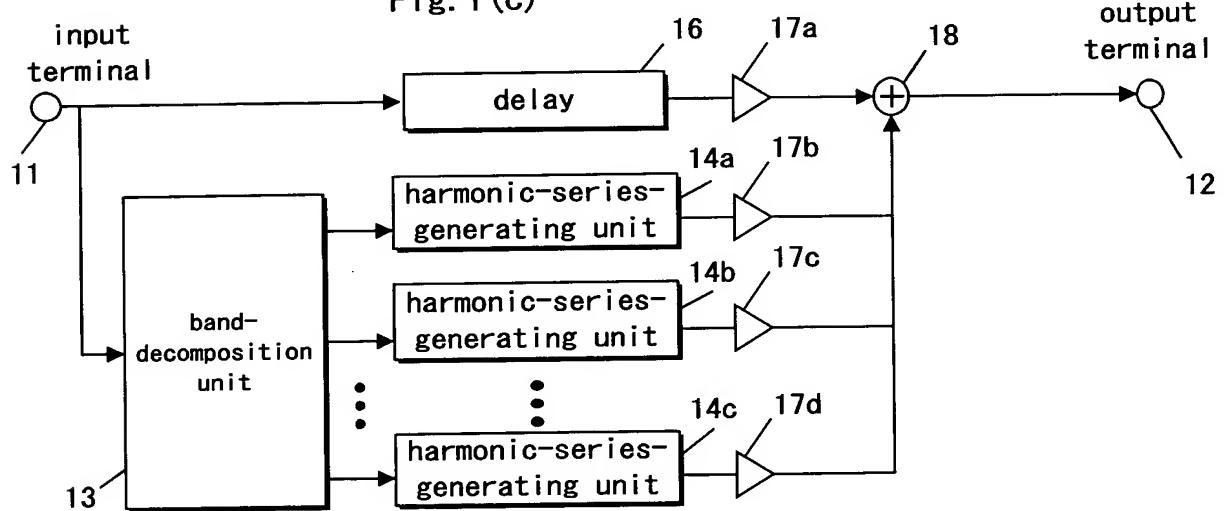


Fig. 2

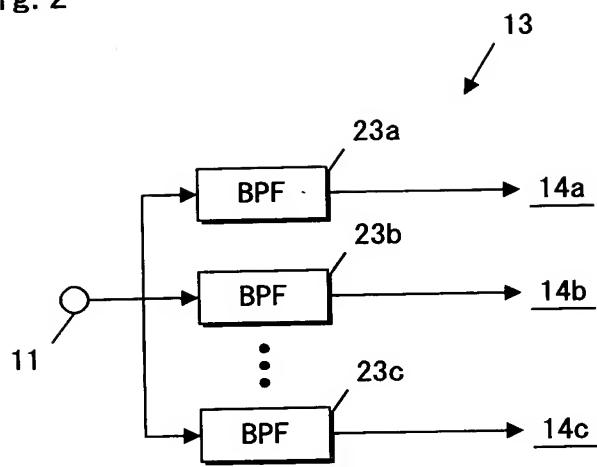


Fig. 3

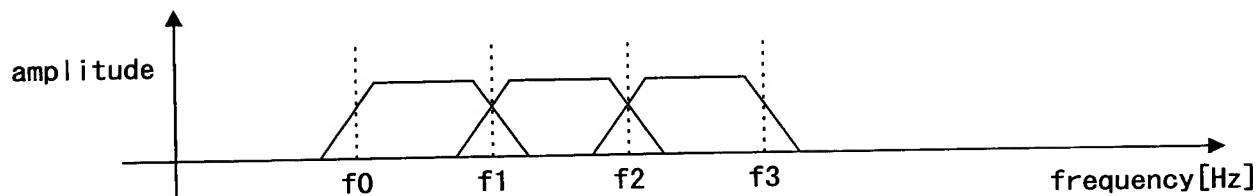


Fig. 4

*1	*2	frequency interval (Hz)												*13
27.5	A 0													27.5
29	A# 0													29
31	B 0													31
33	C 0													33
35	C# 0													35
37	D 0													37
39	D# 0													39
41	E 0													41
44	F 0													44
46	F# 0													46
49	G 0													49
52	G# 0													52
55	A 1												*8	55
58	A# 1													29
62	B 1													31
65	C 1													33
69	C# 1													35
73	D 1													37
78	D# 1													39
82	E 1												41	*9 *10 *11 *12 82
87	F 1													44 51 60 68 78 87
92	F# 1													46 54 63 72 82 92
98	G 1													49 58 67 77 87 98
104	G# 1													52 61 71 81 92 104
110	A 2													55 65 75 86 98 110
117	A# 2													30 39 *7 58 68 79 91 103 117
123	B 2													*4 32 41 51 62 72 84 97 110 123
131	C 2													25 34 44 54 65 77 89 102 116 131
139	C# 2													26 36 46 57 69 81 95 108 123 139
147	D 2													*3 28 38 49 61 73 86 100 115 130 147
156	D# 2													19 29 40 52 64 78 91 106 122 138 156
165	E 2													20 31 43 55 68 82 97 112 129 146 165
175	F 2													21 33 45 58 72 87 102 119 137 155 175
185	F# 2													23 35 48 62 77 92 109 126 145 164 185
196	G 2													24 37 51 66 81 98 115 134 153 174 196
208	G# 2													25 39 54 70 86 104 122 142 162 184 208

\*1: fundamental frequency (Hz)

\*9: minor 6th

\*2: musical scale

\*10: major 6th

\*3: major 2nd

\*11: minor 7th

\*4: minor 3rd

\*12: major 7th

\*5: major 3rd

\*13: perfect 8th

\*6: perfect 4th

\*7: augmented 4th

\*8: perfect 5th

Fig. 5 (a)

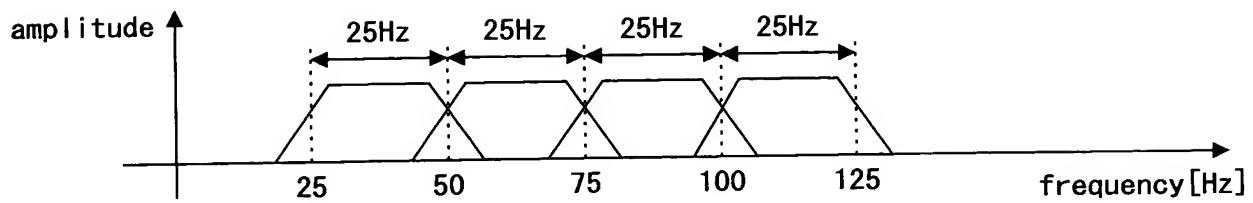


Fig. 5 (b)

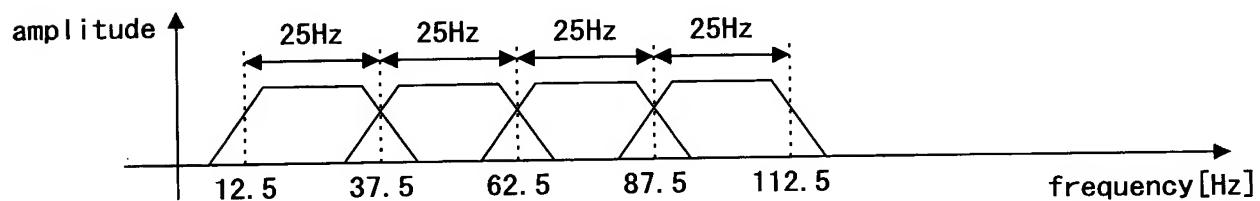


Fig. 5 (c)

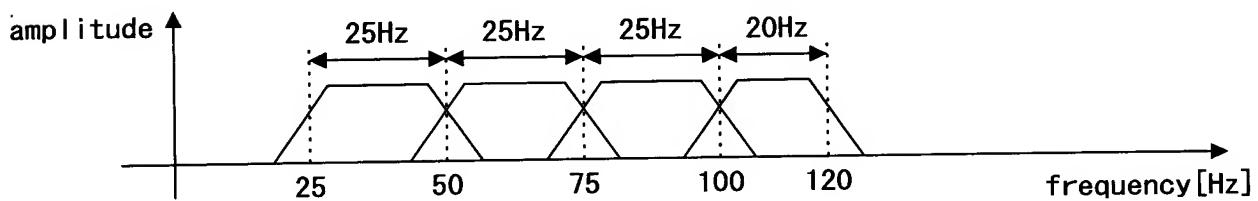


Fig. 5 (d)

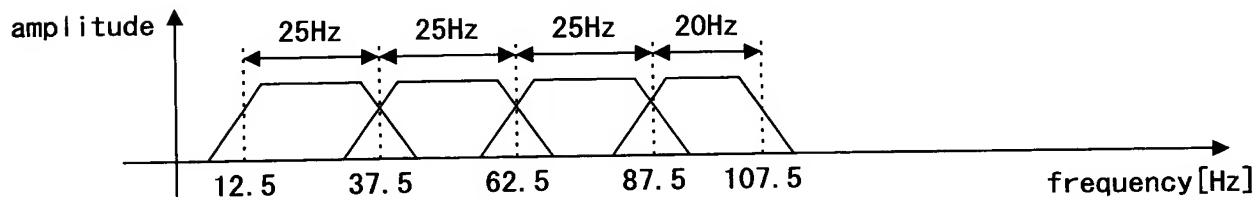


Fig. 6 (a)

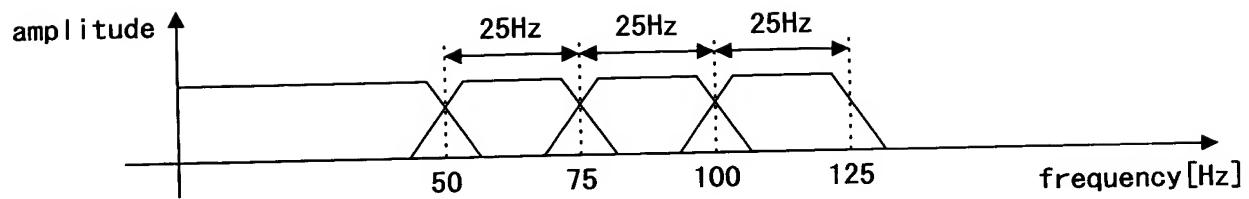


Fig. 6 (b)

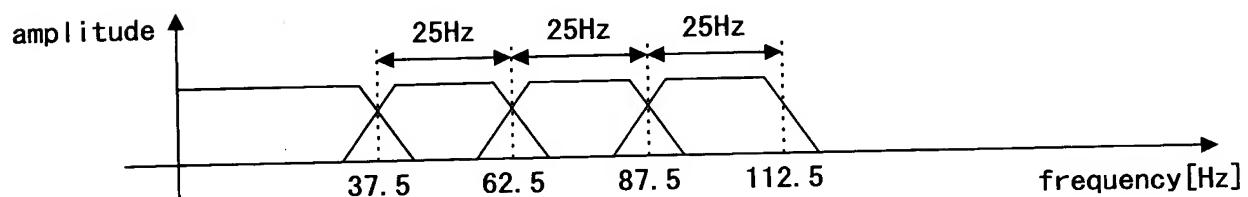


Fig. 6 (c)

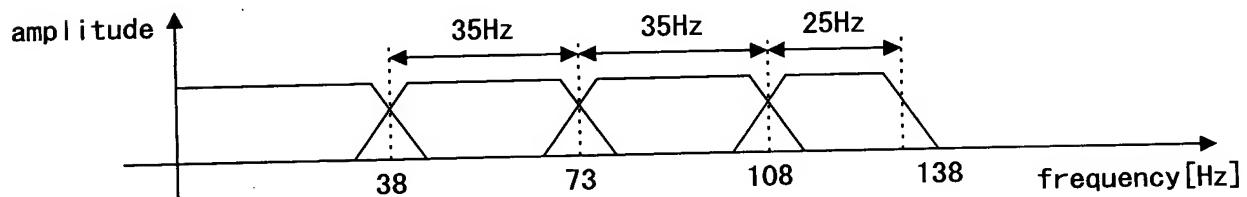


Fig. 6 (d)

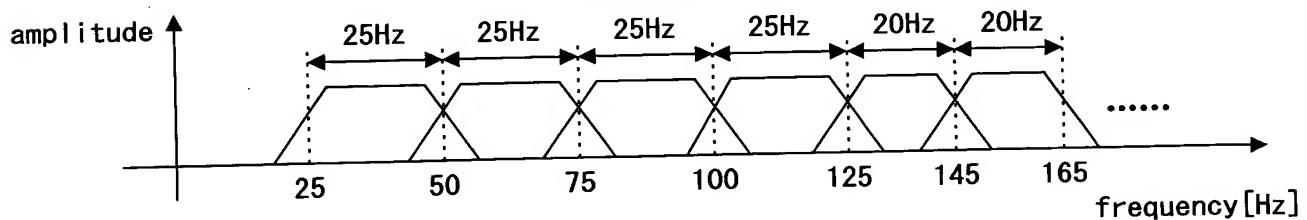


Fig. 7(a)

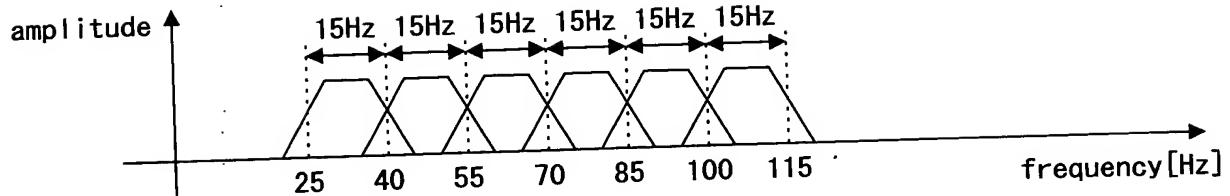


Fig. 7(b)

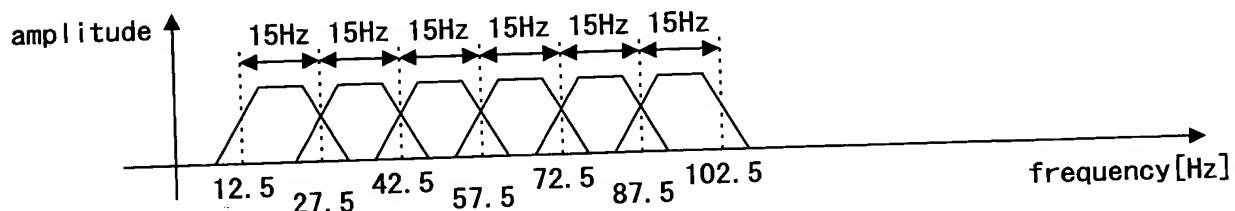


Fig. 7(c)

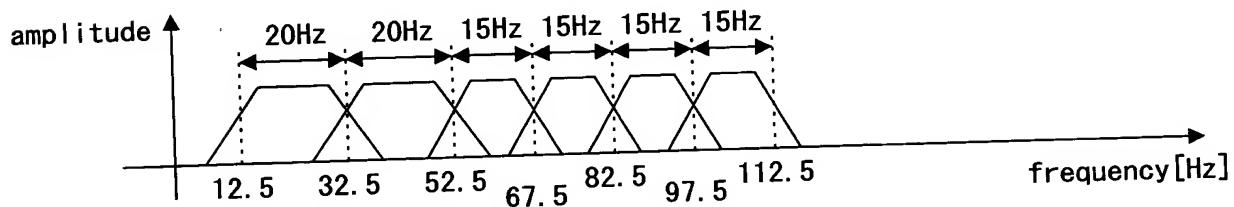


Fig. 7(d)

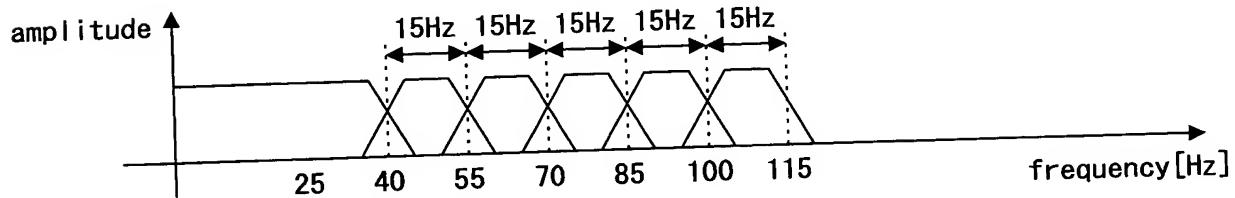


Fig. 8

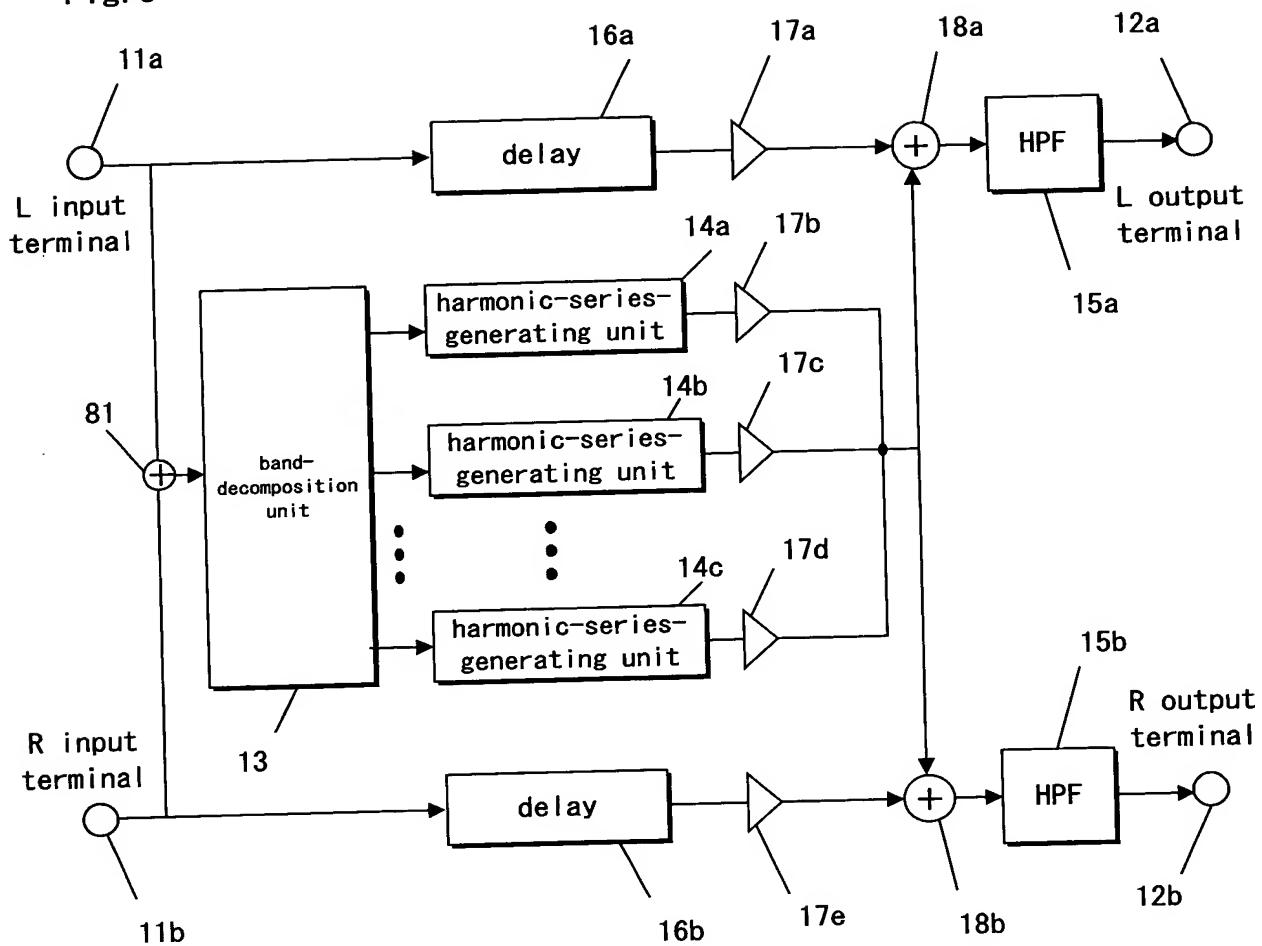


Fig. 9(a) Prior Art

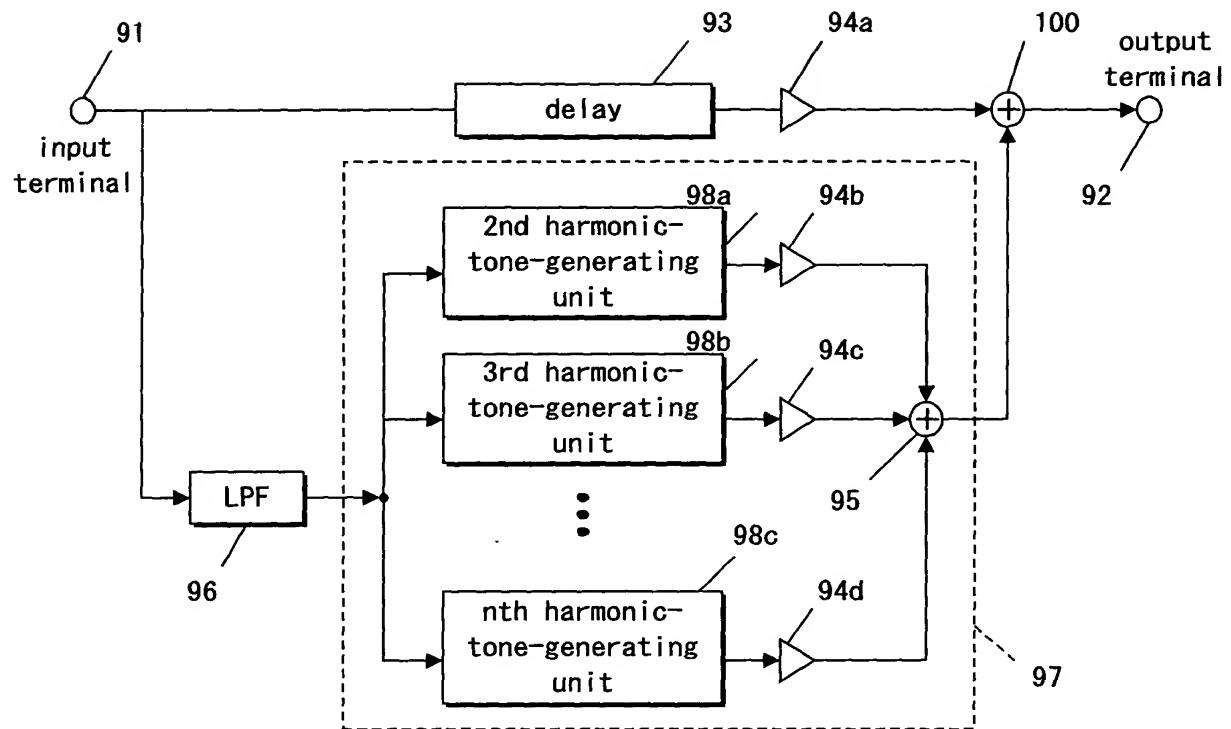


Fig. 9(b) Prior Art

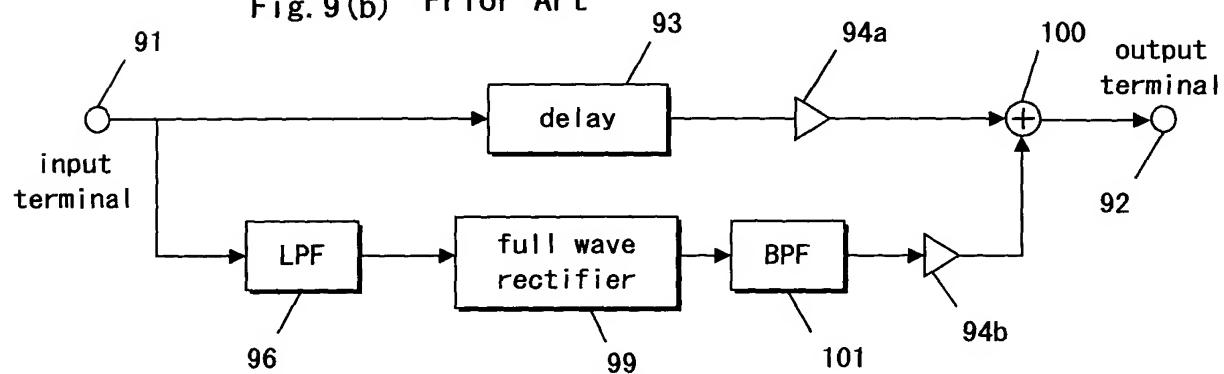


Fig. 9(c) Prior Art

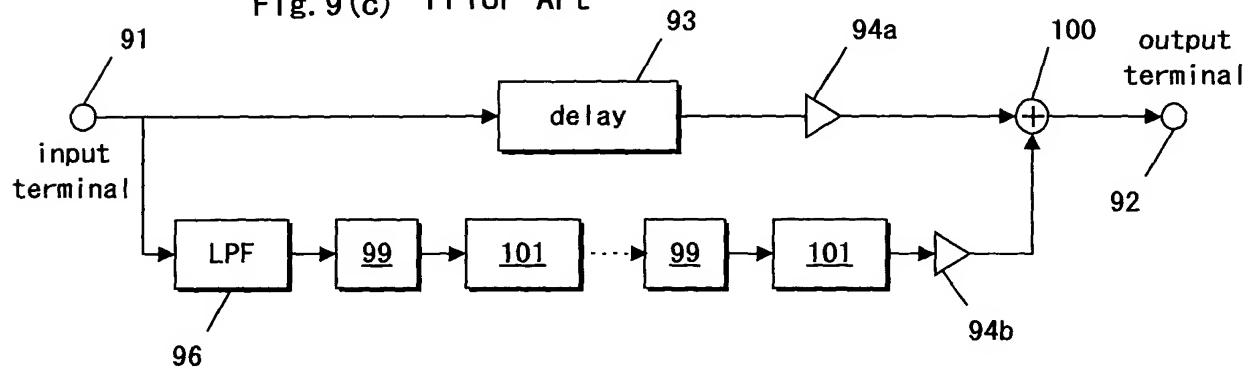


Fig. 10(a) Prior Art

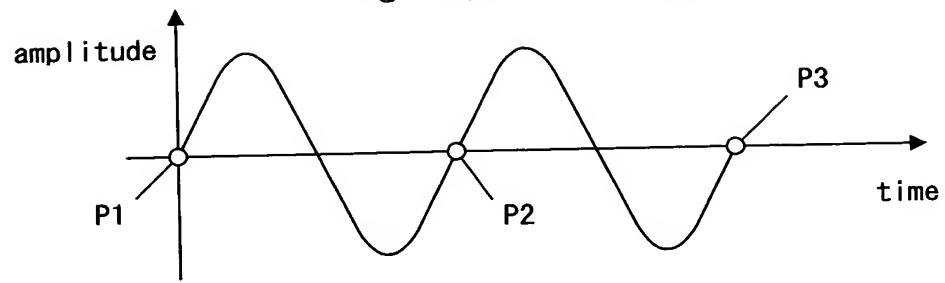


Fig. 10(b) Prior Art

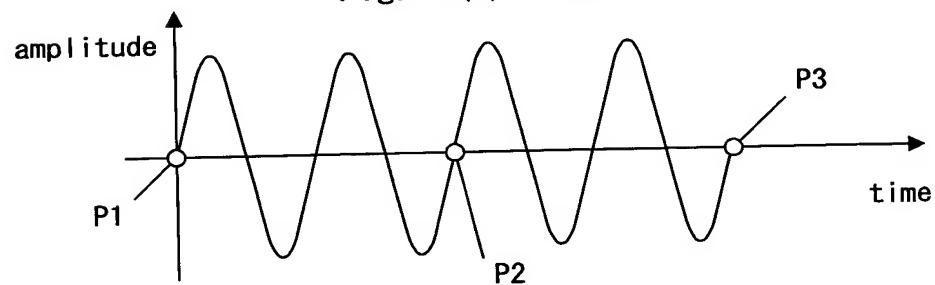


Fig. 11(a) Prior Art

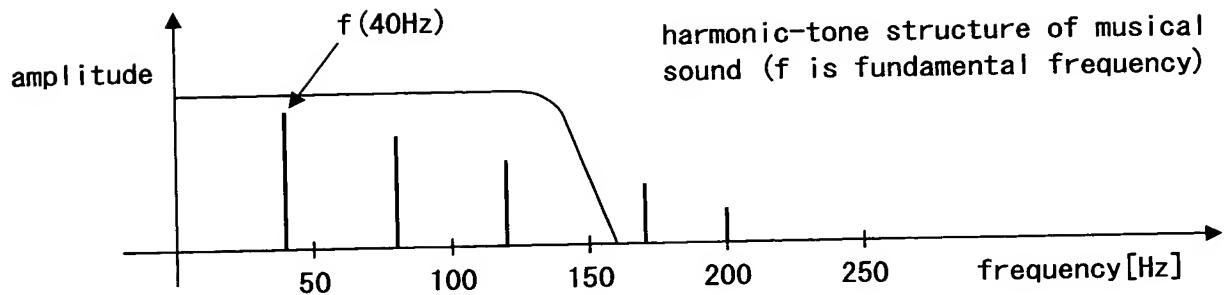


Fig. 11(b) Prior Art

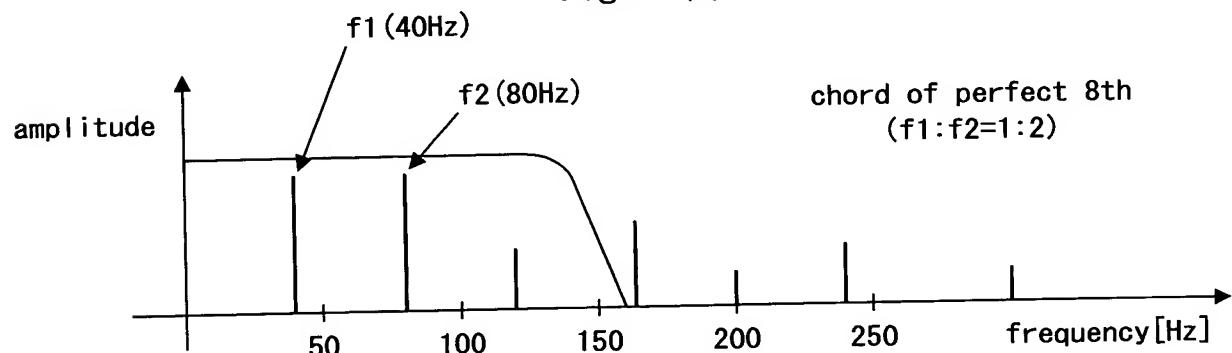


Fig. 11(c) Prior Art

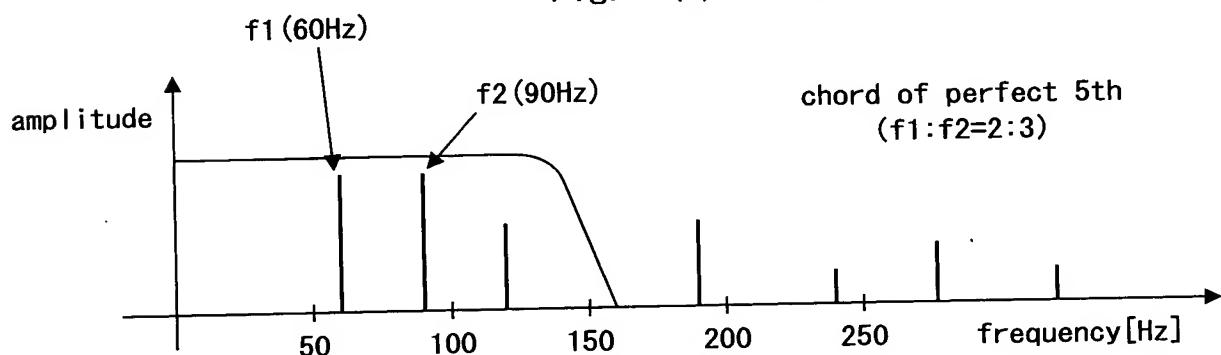


Fig. 12(a) Prior Art

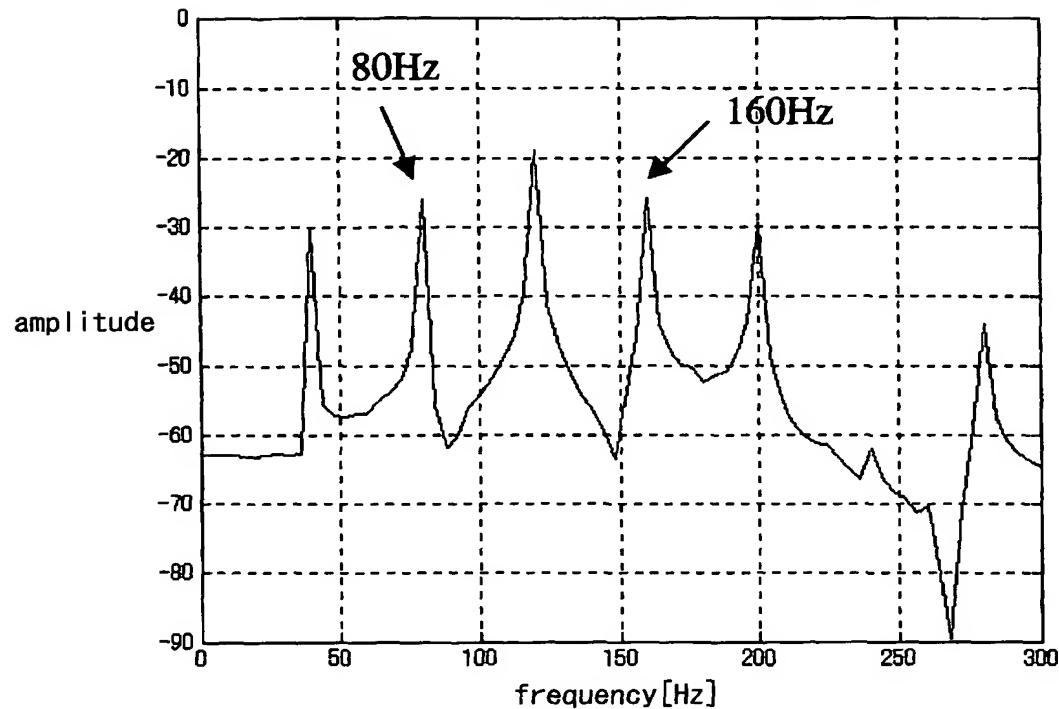


Fig. 12(b) Prior Art

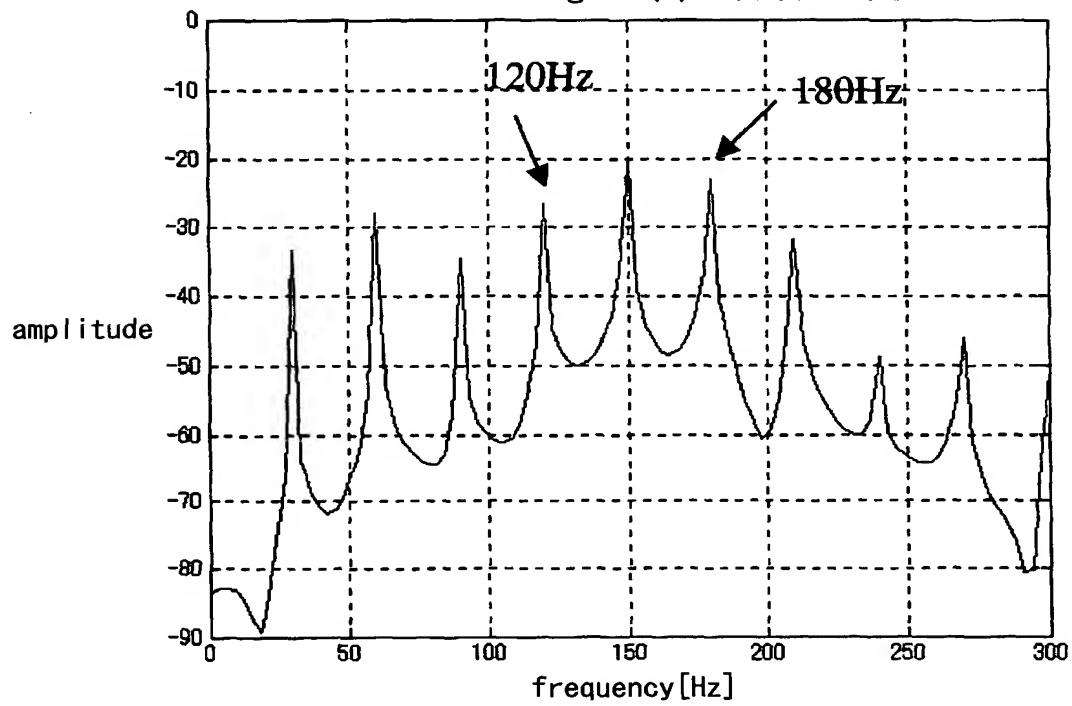


Fig. 13(a) Prior Art  
(original waveform)

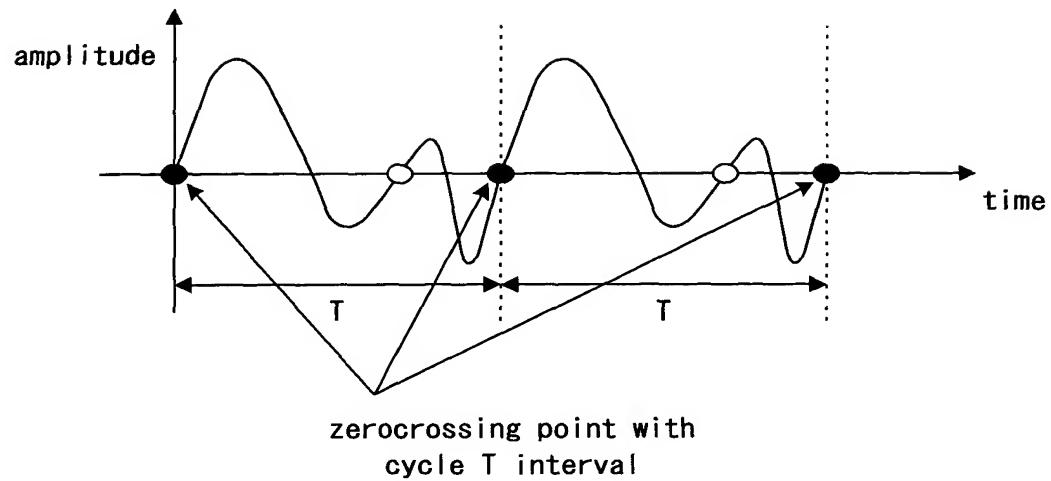


Fig. 13(b) Prior Art  
(ideal)

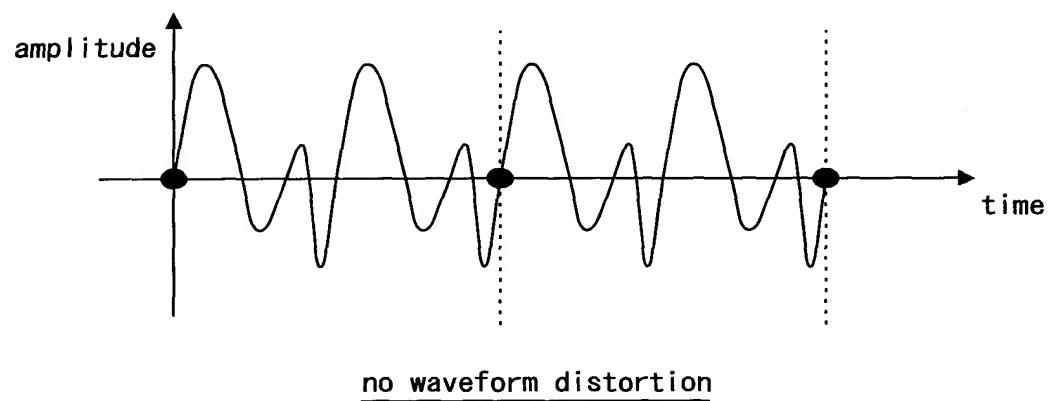


Fig. 13(c) Prior Art  
(after processing)

